

## 1 A METHOD AND SYSTEM FOR DETECTING DROPPED MICRO-PACKETS

## 2 ABSTRACT OF THE DISCLOSURE

3 A system and a method of providing error detection and correction of  
4 transmission of multiple flits between sending and receiving agents connected together in  
5 a network or computer interconnect environment is disclosed that comprises embedding a  
6 sequence identifier in each flit prior to transmission, sending each flit to a connected  
7 receiving agent, examining the sequence identifiers of each flit being received and  
8 requesting the sending agent to resend a flit if the sequence identifier for that flit is  
9 determined to be incorrect.

10 In a preferred embodiment of the present invention, the sequence identifier  
11 is embedded in the control portion of the flit and comprises a sequence number that is  
12 incremented or otherwise changed in a predictable manner, so that the order of flits being  
13 received is predicted. If the sequence number for a flit is different that expected, the  
14 receiving agent requests that it be resent.

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